Thursday, 20/11/2008 3:34:44 PM Date User Julie Dawson **Process Sheet** Customer : CU-DAR001 Dart Helicopters Services **Drawing Name** : SPACER BLOCK Job Number : 43609 **Estimate Number** : 10251 P.O. Number : D3193041 Part Number This Issue : 20/11/2008 S.O. No. : D3193 REV C **Drawing Number** Prsht Rev. : NC : N/A **Project Number** First Issue : 11. : MACHINED PARTS -Type **Drawing Revision** : 37651A Previous Run **Material Due Date** Written By : 20/12/2008 Qty: Each Checked & Approved By Comment : Est Rev:A 05-11-05 JLM Est Rev:B Change Rivet Lengh 07-03-19 JLM **Additional Product** Job Number: Seq. #: **Machine Or Operation: Description:** 1.0 M6061T6B2500X03500 6061-T6 Bar 2.50 x 3.50 Comment: Qtv.: 0.5156 f(s)/Unit Total: 2.0622 f(s) Material: 6061-T6/T651 (QQ-A-225/8 or QQ-A-200/8). (M6061T6B2.500x03.500) Identify for D3193-1 Ind 08/11/24 Batch: <u>M16521</u> BAND SAW BAND SAW Comment: BAND SAW Cut blanks: 3.500" x 2.500" x 5.900" long Bar 3.0 HAAS1 HAAS CNC VERTICAL MACHINING #1 Comment: HAAS CNC VERTICAL MACHINING #1 1-Machine as per Folio FA374 and Dwg D3193Identify as D3193-1 2-Deburr and Tumble 4.0 QC2 INSPECT PARTS AS THEY COME OFF MACHINE -Comment: INSPEC AS THEY COME OFF MACHINE 5.0 QC8 SECOND CHECK Comment: SECOND CHECK

Page 1

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W/O: WORK				DER CHANGES						
DATE	STEP	PROCEDURE CHANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
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Part No: <u>D3193-041</u>	PAR #:	Fault Category:	NCR: Yes No DQA:	Date: 2/12/18
Resolution:		Disposition:	QA: N/C Closed:	Date:

NCR:43	6609	WORK ORDER NON-CONFORMANCE (NCR)											
DATE STEP		Description of NC		Corrective Action Section B			Approval	Approval					
DATE	3121	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector				
08/11/217	3.0	Material is under tolerance before machinining	rosiwi r	Moved Y origin to machine both sides	08/11/27 H. A	pour	psims	Siclos					
02.17.03	3	SMALL FLAT UN ONE SIDE OF PART NEAR DO. 098 HOLES FROM UNDERSIZED MATIL R.C.:	68.12.02 per 081042	PART ACCEPTABLE. ELD FOR BOLT & RIVET HOLES >1.5	08/12/02 -B.A	burn	08,12,02 08,12,02	5,					

NOTE: Date & initial all entries

Date: Thursday, 20/11/2008 3:34:44 PM User: Julie Dawson **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services Drawing Name: SPACER BLOCK Job Number: 43609 Part Number: D3193041 Job Number: Seq. #: Machine Or Operation: **Description:** 6.0 HAND FINISHING1 HAND FINISHING RESOURCE #1 Comment: HAND FINISHING RESOURCE #1 Chemical Conversion Coat as per QSI 005 4.1 POWDER COATING 09152 Comment: POWDER COATING Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3 START TIME: **OVEN TEMPERATURE** FINISH TIME: 8.0 QC3 INSPECT POWDER COAT/CHEMICAL CONVERSION Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION 9.0 RIVET Comment: Qty.: 8.0000 Each(s)/Unit Total: 32.0000 Each(s) Pick: **Qty Part Number** Description 8 MS20426AD3-7 Rivet 10.0 MS21073L4 NUTPLATE Comment: Qty.: 16.0000 Each(s) 4.0000 Each(s)/Unit Total: Pick: **Qty Part Number** Description Batch 4 MS21073L4 **Nut Plate** 11.0 SMALL FAB 1 Comment: SMALL & MEDIUM FAB RESOURCE 1 FF 08/12/17 Assemble D3193-041 as per Dwg D3193

Dart Aerospace Ltd

W/O:			WORK ORDER	CHANGES					
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		Description of NC		Corrective Action Section B		Verification	Approval	Approval				
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NOTE: Date & initial all entries

Date: Thursday, 20/11/2008 3:34:44 PM User: Julie Dawson **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services Drawing Name: SPACER BLOCK Job Number: 43609 Part Number: D3193041 Job Number: Seq. #: **Machine Or Operation:** Description: 12.0 QC5 INSPECT WORK TO CURRENT STEP Comment: INSPEC TO CURRENT STEP 13.0 QC21 FINAL INSPECTION/W/O RELEASE Comment: FINAL INSPECTION/W/O RELEASE Job Completion

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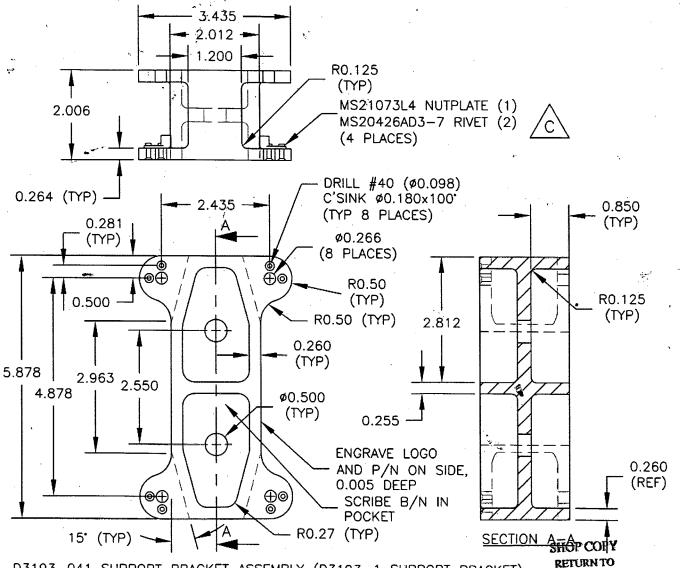
NCR:	•	WORK ORDER NON-CONFORMANCE (NCR)										
		Description of NC		Corrective Action Section B	Verification	Approval	Approval					
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NOTE: Date & initial all entries



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CHECH	(ED	APPROYED	DRAWING NO. D3193	•	-	SHEET	REV. C
DATE			TITLE				SCALE
05.0	9,29	•	SUPPORT	BRACKET	ASSEMBLY		1:2
Α		03.06.09	NEW ISS	UE -			

03.12.22 MANUFACTURED BY DART 05.09.29 MS20426AD3-7 WAS MS20426AD3-5



D3193-041 SUPPORT BRACKET ASSEMBLY (D3193-1 SUPPORT BRACKET)

ENGINEERING

1) MATERIAL: 6061-T6 ALUMINUM (QQ-A-225/8 OR QQ-A-200/8) (REF DART SPEC. M6061T6B)

UNCONTROLLED COPY SUBJECT TO AMENDMENT

2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1 POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3

3) BREAK ALL SHARP EDGES 0.005 TO 0.010

3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

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DART AEROSPACE LTD	Work Order:	43609
Description: Support Bracket	Part Number:	D3193-1
Inspection Dwg: D3193 Rev: C		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

Drawing	Tolerance	Actual	Accept	Doings	Method of	
Dimension	- Olerançe	Dimension	Ассерт	Reject	Inspection	Comments
3.435	+/-0.010	3.436	~			
2.012	+/-0.010	2.012	V			
1.200	+/-0.010	1.200	/			
2.006	+/-0.010	2.0065	/			
R0.125	+/-0.010	Ro.125	V			
2.435	+/-0.005	2.436	/			
0.281	+/-0.005	0.280	V			1
0.264	+/-0.010	0.263	V			
5.878	+/-0.010	5.878	V .			
4.878	+/-0.005	4.878	V			770
						-
2.550	+/-0.010	2.548	\			
15°	+/-0.5°	15 °	/			•.
0.260	+/-0.010	0.240	/			***************************************
RO,50/R 0.050	+/-0.030	R 0.500	/			
Ø0.266	+0.006/-0.001	00.272	/			
Ø0.098	+0.004/-0.001	00.100	~			······································
Ø0.180 x 100°	+0.005/-0.001	80.179x100	/			
0.850	+/-0.010	0.848	V			
R0.125	+/-0.010	R 0.125	✓			
0.255	+/-0.010	0.256	/			
2.812	+/-0.010	2.810	V			
			1			

Measured by: A Audited by: Prototype Approval: N/A

Date: 08/11/27

Date: 08.12-03

Prototype Approval: N/A

Rev	Date	Change		Revised by	Approved
Α	08.02.28	New Issue	P/O D3193-041	KJ/DD ox	
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